

AMSAT Weekly Satellite Report
Issue: WSR-001
Date: 2006-01-01
Sources: amsat-ans-2006-wsr-001.txt

This report is organized into 4 parts.
Part 1 - operational analog amateur satellites.
Part 2 - operational digital amateur satellites.
Part 3 - non - operational satellites
Part 4 - proposed satellites

SB SAT @ AMSAT <W8ISS ANS-001.S1
WSR 001 Part 1 01/01/2006

AMSAT NEWS SERVICE BULLETIN 001.S1 FROM AMSAT HQ
SILVER SPRING, MD, January 01, 2006
TO ALL RADIO AMATEURS
BID: \$ANS-001.S1

V0-52 HAMSAT
Catalog Number: 28650
Launch Date: May 05,2005

Status: Testing
Current Mode: U/V - Indian Transponder

Proposed frequencies:

Indian Transponder:
Uplink : 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW
Beacom : 145.859330 MHz CW

Dutch Transponder:
Uplink : 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW
Beacon : 145.860MHz 12WPM with CW message

Official Webpage: <http://www.amsat.in/hamsat.htm>

This from William Leijenaar, PE1RAH:
Dear AMSATs,

I just got a message from the India Space Research
Organisation (ISRO) that they will switch my
transponder of and switch over to the Indian
Transponder.

The switch over will be done at December 21 on 4:40
UTC time.

To know what transponder is switched on please listen
for the beacon that is active. Each transponder has a
different beacon, see below:

Indian transponder - unmodulated carrier on
145.936MHz.
Dutch Transponder - CW message on 145.860MHz.

Many thanks for all your reports,
I hope you enjoyed my transponder in space.
[01012006]
=====

A0-51 ECHO

Catalog number: 28375

Launch date: June 29, 2004

Status: Testing

Current Mode: PBBS - OFF

VOICE REPEATER - V/U FM

Analog voice downlink: 435.300 MHz FM

435.150 MHz FM

Analog voice uplink: 145.880 MHz FM

145.920 MHz FM 67Hz PL tone

1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output

2401.200 MHz FM 38k4 bps, AX.25

Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast

Protocol (PBP)

Broadcast: PECHO-11

BBS: PECHO-12

Official Webpage: <http://www.amsat.org/amsat-new/echo/>

Schedule from the A0-51 Command Team:

30 Dec

In support of TamSat Request for Asian Scouting Event

PL Tone is OFF as requested

FM Repeater, V/U, High Power Mode

Uplink: 145.920 mhz FM, NO PL Tone

Downlink 435.300 mhz FM

4 Jan

Enable the Tone, no Mode Change

FM Repeater, V/U, High Power Mode

Uplink: 145.920 mhz FM, 67 hz PL Tone

Downlink 435.300 mhz FM

8 Jan

A0-51 Kid's Day Event (See info on Amsat.org)

FM Repeater, V/U, High Power Mode

Uplink: 145.880 mhz FM voice, 67 hz PL Tone

Downlink: 435.300 mhz FM voice

9 Jan

Opportunity for Digipeater Testing

9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)

Uplink: 145.860 mhz FM, 9k6 PBP Digital

Downlink: 435.150 mhz FM, 9k6 PBP Digital

Digipeater will be Turned ON

16 Jan

FM Repeater, V(ssb)/U FM (Experimental)

Uplink: 145.880 mhz USB

Downlink 435.300 mhz FM

22 Jan

FM Repeater, V/U

Uplink: 145.920 mhz FM, 67 hz PL Tone

Downlink 435.300 mhz FM

9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)

Uplink: 145.860 mhz FM, 9k6 PBP Digital

Downlink: 435.150 mhz FM, 9k6 PBP Digital

This from the AO-51 Command team:

January 2006 Amsat Kid's Day on AO-51

Amsat-NA, the AO-51 Command Team, and the AO-51 Operations Team will sponsor Kid's Day on AO-51 on January 8, 2006. The event will run from approximately 0100 UTC 8 January until 0345 UTC 9 January. The event is open to all kids, worldwide. We ask all amateur radio stations to give this short time window to promote satellite operations with kids, by actually showing a kid how to make contacts via AO-51, providing a station to contact, or stepping aside to allow others to make contacts with the kids. During the event, please limit contacts to stations that are operating with kids at the microphone. This should allow the kids to have a nice QSO and pass some information. Kids can tell their name, age, who is helping them operate on AO-51, where they live, and other information about themselves.

AO-51 will be configured in the following mode during the event. Please note the change in the uplink frequency for the event. The PL tone will be turned off for the event.

Uplink: 145.880 mhz FM voice
Downlink: 435.300 mhz FM voice

The digital transponder on 435.150 will be turned off during the event.

See <http://www.arrl.org/FandES/ead/kd-rules.html> on the ARRL website for more Kids Day information.

Have fun and enjoy AO-51!

73 KE4AZN
Amsat VP-Operations
Echo Command Station
[01012006]
=====
S0-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink: 145.850 MHz (67.0 Hz PL tone) (See below for operating procedures)
Downlink: 436.795 MHz

Official Webpage: <http://saudisat.kacst.edu.sa/index.shtml>
(not up and running currently)

There have been unconfirmed reports on the amsat-bb remailer that S0-50 has shifted downlink frequency as much as 5khz up. This both from Europe.

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz. The order of operation is thus: (allow for Doppler as necessary)

- 1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute timer on board the spacecraft.
- 2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the

repeater

on and off within the 10 Minute window.

3) Sending the 74.4 tone again within the 10 minute window will reset the 10

minute timer.

[01012006]

=====

F0-29 JAS-2

Catalog number: 24278

Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA

Uplink: 145.90 to 146.00 MHz CW/LSB

Downlink: 435.80 to 435.90 MHz CW/USB

Beacon: 435.795 MHz

Digital Mode JD

Uplink: 145.850 145.870 145.910 MHz FM

Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK

Callsign: 8J1JCS

Digitaler: 435.910 MHz

unOfficial Webpage: <http://www.amsat.org/amsat/sats/n7hpr/fo29.html>

[11132005]

=====

A0-27 AMRAD

Catalog number: 22825

Launched: September 26, 1993

Status: Operational

Uplink: 145.850 MHz FM

Downlink: 436.795 MHz FM

Official Webpage: <http://www.ao27.org>

[01012006]

=====

A0-7 AMSAT OSCAR 7

Catalog number: 07530

Launch Date: November 15, 1974

Status: Semi-operational in sunlight.

Return to active status: June 21,2002

Uplink: 145.850 to 145.950 MHz CW/USB Mode A

432.125 to 432.175 MHz CW/LSB Mode B

Downlink: 29.400 to 29.500 MHz CW/USB Mode A

145.975 to 145.925 MHz CW/USB Mode B

Beacon: 29.502 MHz, 145.972 MHz, 435.1 MHz, 2304.1 MHz

Official Webpage: <http://www.amsat.org/amsat/sats/n7hpr/ao7.html>

Emily, W0EEC has created a website to allow the users of A0-7 to record contacts, observations and use of the satellite more effectively at:

<http://www.emilyshouse.com/expertams/ao7/main.php>

Tim, K3TZ has written a program to decode A0-07 telemetry. The program can

be downloaded at:

http://www.qsl.net/k3tz/files/K3TZ_A0-07_Telemetry_Decoder_0.5.zip

[01012006]

=====

INTERNATIONAL SPACE STATION (ISS) - ARISS

Catalog number: 25544

Launch date: November 20, 1998

Status: Operational

Current Mode: Digipeater

Digipeater: ON

The current Expedition 12 crew is:

Commander: William McArthur - KC5ACR

Flight Engineer: Valery Tokarev - (no call)

Worldwide packet uplink: 145.990 MHz FM

Region 1 voice uplink: 145.200 MHz FM

Region 2/3 voice uplink: 144.490 MHz FM

Worldwide downlink: 145.800 MHz FM

Repeater Uplink: 437.800 MHz FM

Repeater Downlink: 145.800 MHz FM

Doppler Shift is 10 KHz

Russian callsigns: RS0ISS, RZ3DZR

USA callsign: NA1SS

Packet station mailbox callsign: RS0ISS-11

Packet station keyboard callsign: RS0ISS-3

Digipeater callsign: ARISS

Official Webpage: <http://www.rac.ca/ariss>Official Fan club Webpage: <http://www.issfanclub.com>APRS tracking page: <http://www.ariss.net/>ISS Daily Crew Schedule: <http://spaceflight.nasa.gov/station/timelines/>

Remember that the crew operates on UTC time. Also, all of the time line is

NOT translated from Russian and posted.

[01012006]

NNNN

/EX

SB SAT @ AMSAT <W8ISS \$ANS-001.S2

WSR 001 Part 2 001/01/2006

AMSAT NEWS SERVICE BULLETIN 001.S2 FROM AMSAT HQ

SILVER SPRING, MD, January 01, 2006

TO ALL RADIO AMATEURS

BID: \$ANS-001.S2

XI-V ?0-??

Catalog Number: 28895

Launch Date: October 27, 2005

Status: Operational only within range of Ground station in Japan

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol

Beacon Downlink: 437.465MHz - CW about 50 WPM

Callsign: JQ1YGW

Official Webpage: <http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5>

[01012006]

=====

INTERNATIONAL SPACE STATION (ISS) - ARISS

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Launch date: November 20, 1998

Status: Operational
Current Mode: Digipeater
Digipeater: ON

The current Expedition 12 crew is:
Commander: William McArthur - KC5ACR
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Worldwide packet uplink: 145.990 MHz FM
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Worldwide downlink: 145.800 MHz FM

Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM
Doppler Shift is 10 KHz

Russian callsigns: RS0ISS, RZ3DZR
USA callsign: NA1SS
Packet station mailbox callsign: RS0ISS-11
Packet station keyboard callsign: RS0ISS-3
Digipeater callsign: ARISS

Official Webpage: <http://www.rac.ca/ariss>
Official Fan club Webpage: <http://www.issfanclub.com>
APRS tracking page: <http://www.ariss.net/>
ISS Daily Crew Schedule: <http://spaceflight.nasa.gov/station/timelines/>

Remember that the crew operates on UTC time. Also, all of the time line is

NOT translated from Russian and posted.
[01012006]

=====

PCSAT2
Catalog Number: 25544
Launch Date: August 1, 2005

Activated: August 3, 2005
Status: Battery-saving mode
Current Mode: None

Digital Downlink: 435.275 Mhz
Digital Uplink: 145.825 Mhz
PSK-31 Downlink: 435.275 Mhz
PSK-31 Uplink: 29.400 - 29.403 Mhz

Broadcast:
BBS:

Official Webpage: <http://web.usna.navy.mil/~bruninga/pcsat2.html>

PCSAT2 APRS Packet page: <http://www.findu.com/cgi-bin/pcsat2.cgi>
[01012006]

=====

A0-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Testing
Current Mode: PBBS - OFF
VOICE REPEATER - V/U FM

Analog voice downlink: 435.300 MHz FM

435.150 MHz FM
Analog voice uplink: 145.880 MHz FM
145.920 MHz FM 67Hz PL tone
1268.700 MHz FM 67Hz PL tone

Digital Downlinks: 435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
2401.200 MHz FM 38k4 bps, AX.25
Digital Uplink: 145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol (PBP)

Broadcast: PECH0-11
BBS: PECH0-12

Scheduled Modes for AO-51:

Schedule from the AO-51 Command Team:

30 Dec
In support of TamSat Request for Asian Scouting Event
PL Tone is OFF as requested
FM Repeater, V/U, High Power Mode
Uplink: 145.920 mhz FM, NO PL Tone
Downlink 435.300 mhz FM

4 Jan
Enable the Tone, no Mode Change
FM Repeater, V/U, High Power Mode
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM

8 Jan
AO-51 Kid's Day Event (See info on Amsat.org)
FM Repeater, V/U, High Power Mode
Uplink: 145.880 mhz FM voice, 67 hz PL Tone
Downlink: 435.300 mhz FM voice

9 Jan
Opportunity for Digipeater Testing
9k6 Digital, V/U, High Power, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital
Digipeater will be Turned ON

16 Jan
FM Repeater, V(ssb)/U FM (Experimental)
Uplink: 145.880 mhz USB
Downlink 435.300 mhz FM

22 Jan
FM Repeater, V/U
Uplink: 145.920 mhz FM, 67 hz PL Tone
Downlink 435.300 mhz FM
9k6 Digital, V/U, PBP BBS (Pacsat Broadcast Protocol BBS)
Uplink: 145.860 mhz FM, 9k6 PBP Digital
Downlink: 435.150 mhz FM, 9k6 PBP Digital

This from the AO-51 Command team:

January 2006 Amsat Kid's Day on AO-51

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will sponsor Kid's Day on AO-51 on January 8, 2006. The event
will run from approximately 0100 UTC 8 January until 0345 UTC
9 January. The event is open to all kids, worldwide. We ask

all amateur radio stations to give this short time window to promote satellite operations with kids, by actually showing a kid how to make contacts via AO-51, providing a station to contact, or stepping aside to allow others to make contacts with the kids. During the event, please limit contacts to stations that are operating with kids at the microphone. This should allow the kids to have a nice QSO and pass some information. Kids can tell their name, age, who is helping them operate on AO-51, where they live, and other information about themselves.

AO-51 will be configured in the following mode during the event. Please note the change in the uplink frequency for the event. The PL tone will be turned off for the event.

Uplink: 145.880 mhz FM voice
Downlink: 435.300 mhz FM voice

The digital transponder on 435.150 will be turned off during the event.

See <http://www.arrl.org/FandES/ead/kd-rules.html> on the ARRL website for more Kids Day information.

Have fun and enjoy AO-51!

73 KE4AZN
Amsat VP-Operations
Echo Command Station

[ANS-WSR thanks Mike Kingery, KE4AZN for the above information]
[01012006]

=====

N0-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: Operational

General Usage Uplink/Downlink: 145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: <http://pcsat.aprs.org>

Anyone can work PCSAT-1 with ANY typical 1200 baud packet station on 145.825. Just set your path to UNPROTO APRS via ARISS (the same that you use via ARISS on the ISS or via PCSAT2). Mobiles with the D700 or the TH-D7 HT APRS radios will see packets directly on their front panel and can work it from their mobile.

[01012006]

=====

CUTE-1
Catalog number: 27844
Launched: June 30, 2003

Status: Operational

Uplink: ?
Downlink: 436.8375 CW
437.4700 1200 FM ax25 or SRTL (ACTIVE only near Japan ?)

Information webpage:
<http://lss.mes.titech.ac.jp/ssp/spacerium/cutelblog/>
[01012006]

=====

G0-32 TECHSAT-1B

Catalog number: 25397
Launch Date: July 10, 1998

Status: Operational

Downlink: 435.225 MHz FM (9600-baud FSK)
(435.325 n/a - temperature problems)
Uplinks: 145.850, 145.890, 145.930 FM
1269.700, 1269.800, 1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

Jeff, KB2M, reports November 15th, 2005:
I might be wrong about this, but as I am the only one I see working
G0-32
here goes. If you do a DIR request up on the 145.890 uplink the bird
turns
on. Give it a try....

More information of G0-32 can be found at:
<http://www.iarc.org/techsat/techsat.html>
[ANS-WSR wishes to thank Jeff, KB2M for this weeks report.]
[11202005]

=====
A0-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for
APRS users.

Uplink: 145.90 145.92 145.94 145.96 MHz FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz
Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AMSAT Webpage: <http://www.amsat.org/amsat/sats/n7hpr/ao16.html>
[01012006]

=====
U0-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational?

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK).
approx. 10 days ON, 10 days OFF
Mode-S Beacon: 2401.500 MHz. ... OFF
UHFBacon: 435.025 MHz. ... OFF

Official webpage: <http://www.users.zetnet.co.uk/clivew/>
MPEG3 files: <http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm>
[01012006]
NNNN
/EX

SB SAT @ AMSAT <MMC \$ANS-001.S3
WSR 001 Part 3 01/01/2006

AMSAT NEWS SERVICE BULLETIN 001.S3 FROM AMSAT HQ
SILVER SPRING, MD, January 01, 2006
TO ALL RADIO AMATEURS

BID: \$ANS-001.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2 ?0-??

Catalog Number: 28894

Launch Date: October 27, 2005

Status: Still attached to X0-53 (SSETI)

Proposed Callsign: TBA

Proposed Transmit Frequency: 437.305

2407.25

[01012006]

=====

X0-53 SSETI

Catalog Number: 28894

Launch Date: October 27, 2005

Status: In orbit

Uplink/Downlink: 437.250MHz - AX.25 9k6 baud or voice

Beacon: 2401.835MHz - AX.25 38k4 baud or voice

Official webpage: <http://sseti.gte.tuwien.ac.at/WSW4/>

Latest news: <http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php>

[01012006]

=====

POSAT-1 P0-28

Catalog Number: 22829

Launched : September 25, 1993

Status: Operational - Not open for Amateur use

Downlink: 429.950

Uplink: Not until handover back to Amateur usage

Broadcast callsign: POSAT1-11

BBS callsign: POSAT1-12

AMSAT Webpage: <http://www.amsat.org/amsat/sats/n7hpr/po28.html>.

POSAT-1

webpage: <http://www.ee.surrey.ac.uk/SSC/CSER/U0SAT/missions/posat1.html>

[01012006]

=====

A0-10 OSCAR 10

Catalog number: 14129

Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB

Downlink: 145.975 to 145.825 MHz CW/USB

Beacon: 145.810 MHz (unmodulated carrier)

A0-10 has been locked into a Mode-B, 70-cm uplink and
2-meter downlink for several years.

W4SM has more information about the satellite at the following URL:

<http://www.cstone.net/~w4sm/A0-10.html>

[05092004]

=====

IO-26 ITAMSAT

Catalog number: 22826

Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)

Downlink: 435.808 MHz PSK

Broadcast Callsign: ITMSAT-11

BBS: ITMSAT-12

Official webpage: <http://www.itamsat.org>AMSAT Webpage: <http://www.amsat.org/amsat/sats/n7hpr/io26.html>

[01012006]

=====

RS-12 RADIO SPORT RS-12

Catalog number: 21089

Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB

Downlink: 29.410 to 29.450 MHz CW/USB

Beacon: 29.408 MHz

Robot: 29.454 MHz

[05232004]

=====

RS-13 RADIO SPORT RS-13

Catalog number: 21089

Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB

Downlink: 145.860 to 145.900 MHz CW/USB

Beacon: 145.860 MHz

Robot: 145.908 MHz

[05232004]

=====

U0-14 UoSAT-3

Catalog number: 20437

Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM

Downlink 435.070 MHz FM

[05092004]

=====

U0-22 UOSAT

Catalog number: 21575

Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK

Downlink: 435.120 MHz FM

Broadcast Callsign: UOSAT5-11

BBS: UOSAT5-12

[01092005]

=====

RS-15 RADIO SPORT RS-15

Catalog number: 23439

Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)

John, KD6PAG reports on June 16, 2004 to WSR:
RS-15 beacon seemed to be back in the mode where it's a tone about 5 seconds off and then 5 seconds on this morning.

WSR is looking for more confirmations of RS-15 coming back.

[ANS-WSR thanks John, KD6PAG for RS-15 information]
[06202004]

=====

L0-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)
Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ealbcu
[05232004]

=====

F0-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More F0-20 info can be found at:
<http://www.amsat.org/amsat/sats/n7hpr/fo20.html>
[08152004]

=====

K0-23 KITSAT
Catalog number: 22077
Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HL01-11
BBS: HL01-12

Jim, AA7KC, reports that K0-23's downlink transmitter continues in a non-operational status.
[05092004]

=====

K0-25 KITSAT

Catalog number: 22828

Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)

Downlink: 436.500 MHz FM

Broadcast Callsign: HL02-11

BBS: HL02-12

[05092004]

=====

P0-34 PANSAT

Catalog number: 25520

Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: [http://www.sp.nps.navy.mil/pansat/\[05092004\]](http://www.sp.nps.navy.mil/pansat/[05092004])

=====

S0-33 SEDSAT-1

Catalog number: 25509

Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
<http://seds.uah.edu/projects/sedsat/sedsat.htm>

[ANS-WSR has no further information]

[05232004]

=====

S0-35 SUNSAT

Catalog Number: ?

Launched: February 23, 1999

Status: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz

Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz

Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT visit the satellite web site:
[http://esl.ee.sun.ac.za/projects/sunsat/\[08082004\]](http://esl.ee.sun.ac.za/projects/sunsat/[08082004])

=====

U0-36 UoSAT-12

Catalog number: 25693

Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)

Downlink: 437.025 MHz 437.400 MHz

Broadcast Callsign: U0121-11
BBS: U0121-12

The VK5HI viewer shareware for U0-36 is available on the AMSAT-NA web site at the following URL:
<ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip>
[05092004]

=====

A0-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band 145.840 - 145.990 MHz CW/LSB
U-band 435.550 - 435.800 MHz CW/LSB
L1-band 1269.250 - 1269.500 MHz CW/LSB
L2-band 1268.325 - 1268.575 MHz CW/LSB
S1-band 2400.350 - 2400.600 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323, 24,048.035
[05232004]

S0-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational

Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
<http://www.amsat.org/amsat/sats/n7hpr/so42.html>
[08152004]

=====

S0-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
<http://www.amsat.org/amsat/sats/n7hpr/so41.html>
[08152004]

=====

N0-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire, callsign KE6QMD, as per the user service agreement located at the

following

URL:

<http://web.usna.navy.mil/~bruninga/pcsat/contract.txt>
[03132005]

=====

M0-46 TIUNGSAT-1

Catalog number: 26548

Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK

Downlink: 437.325 MHz

Broadcast callsign: MYSAT3-11

BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to commercial land and weather imaging payloads offers FM and FSK Amateur Radio communication.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a collaborative effort between the Malaysian government and Surrey Satellite Technology Ltd.

[11202005]

=====

A0-49 AATiS OSCAR-49 (SAFIR-M)

Catalog number: 27605

Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK

Downlink 145.825 9600-baud FSK

(optional voice message)

Broadcast callsign: DP0AIS

Official webpage: <http://amend.gmxhome.de>

[01012006]

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SB SAT @ AMSAT <W8ISS \$ANS-001.S4

WSR 001 Part 4 01/01/2006

AMSAT NEWS SERVICE BULLETIN 001.S4 FROM AMSAT HQ

SILVER SPRING, MD, January 01, 2006

TO ALL RADIO AMATEURS

BID: \$ANS-001.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

UCISAT ?0-??

Catalog number:

Proposed Launch Date: October 31, 2005

Status: Under Construction

Downlink: Submission in Progress

Uplink: Submission in Progress

Callsign: Submission in Progress

[11272005]

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PHASE 3E ?0-??

Catalog Number:
Proposed Launch Date: Early 2006

Status: Under Construction

For the latest project status update please visit the AMSAT-DL
P3-E web page:
<http://www.amsat-dl.org/p3e/>

[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[10022005]

=====
CP1 ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N6CP
Proposed Transmit Frequency: 436.845
[03272005]

=====
CP2 ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.325
[03272005]

=====
HAUSAT1 ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: D90HP
Proposed Transmit Frequency: 437.465
[03272005]

=====
ICE Cube 1 ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: W2CXM
Proposed Transmit Frequency: 437.305
[03272005]

=====
ICE Cube 2 ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: N2VR
Proposed Transmit Frequency: 437.425
[03272005]

=====
ION ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.505
[03272005]

=====
KUTESat ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: KC0RMW
Proposed Transmit Frequency: 437.385
[03272005]

=====

MEROPE ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: K7MSU-1
Proposed Transmit Frequency: 145.980
[03272005]

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RINCON ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
437.345
[03272005]

=====

SACRED ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]

=====

SACRED ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: WA4CEW
Proposed Transmit Frequency: 436.870
[03272005]

=====

SEEDS ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: JQ1YGU
Proposed Transmit Frequency: 437.485
[03272005]

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Mea Huaka ?0-??
Catalog Number:
Proposed Launch Date: Mid May 2005

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.405
[03272005]

=====

SUITSAT ?0-??
Catalog Number:
Proposed Release Date: December 8th, 2005

Proposed Callsign: RS0RS ?
Proposed Transmit Frequency: 145.990

This from Frank, KA3HD0:
I have recieved information that the Russian EVA that will deply
SuitSat,

planned for December 8th, has been delayed to late January/Early February 2006. As we get more information, we will post it.

[ANS-WSR wishes to thank Frank Bauer, KA3HDO for this weeks report]
[11272005]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz. Pre-net operations start at 18:00 UTC, with current ANS bulletins transmitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30 UTC.

Information on AMSAT-NA is available at the following URL:
<http://www.amsat.org>

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

- * AMSAT News Service (ANS)
- * General satellite discussion (AMSAT-BB)
- * Orbit data (KEPS)
- * Manned space missions (SAREX)
- * District of Columbia area (AMSAT-DC)
- * New England area (AMSAT-NE)
- * AMSAT Educational Liaison mailing list (AMSAT-EDU)
- * AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
<http://www.amsat.org/amsat/listserv/menu.html>

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor@amsat.org
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